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Tuesday, May 21

Tuesday, May 21 8:00 - 9:00

Registration

Room: A*

Tuesday, May 21 9:00 - 10:00

Opening Session


Room: A

Tuesday, May 21 10:00 - 11:30

Opening Keynote Talk

Room: A

Tuesday, May 21 12:00 - 12:45

(IT1): Real-time monitoring of humans in extreme environments on Earth and in Space 

Room: A

Chairs: Khalid Elgazzar, Ayman Eltager

Real-Time Monitoring of Humans in Extreme Environments on Earth and in Space

Carolyn McGregor AM

Tuesday, May 21 12:00 - 13:45

(TS: EP1) Grid Integration of Inverter-based Resources (IBRs) 

Room: C

Chairs: Mohamed Abdelaziz, Mohamed El Shanawany

Development of a Dynamic Model of the Egyptian Power Grid for AGC Studies Using Real Data

Radwa Ibrahim Soliman, Omar H. Abdalla, Adel A. Emary and Laila A. Talat

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Techno-Economic Analysis of Hybrid Power Supply Scenarios for a Resort in Egypt

Ahmed Lotfy Mohamed, Osama M. and Ahmed Helal

pp. 7-12

Experimental Validation of Grid-Connected Photovoltaic Model for Steady-State Analysis

Mostafa Abdo, Mohamed Abd El Aziz Hasan Abd El Rahman, Mohammed Yehia Amer and Sherif Helmy


pp. 13-18

Enhancing LVRT Capability of Grid-Connected DFIG-Based Wind Energy Conversion System Using DO Tuned STATCOM Controller

Abdallah Fouad Issa, Hesham B. Elrefaie, Hossam Kotb and Kareem Aboras

pp. 19-24

Tuesday, May 21 12:45 - 13:45

(IT2): Reconfigurable Microwave and Millimeter-Wave Devices for Applications in Future Communication Systems 

Room: A

Chairs: Hadya El-Hennawy, Amr Safwat

Reconfigurable Microwave and Millimeter-Wave Devices for Applications in Future Communication Systems

Rafaat Mansour

Tuesday, May 21 12:45 - 13:45

(WS1): Egypt's National Efforts in Cybersecurity 

Room: B

Chairs: Mohamed Aborizka, Ghada Mohammed Amer, Ashraf Diaa

Egypt's National Efforts in Cybersecurity

Ahmed A. Abdel-Hafez

Tuesday, May 21 14:30 - 16:15

(PS1): Women in E-health Panel Session

Room: A

Chair: Lobna Said

Women Empowerment and Leadership in E-Health

Carolyn McGregor AM, Maria de Fatima Domingues, Lobna Said, Mervat Abu-Elkheir and Sherin M. Youssef

Tuesday, May 21 14:30 - 16:15

(WS2): Satellite communication: Tiba sat commercial payload 

Room: B

Chairs: Ahmed Madian, Aboelmagd Nouredin, Alaa Shehata

Satellite Communication: Tiba Sat Commercial Payload

Samy Shedied and Ahmed El Sayed Fathy

Tuesday, May 21 14:30 - 16:15

(TS: EP2) Design and Control of Renewable Energy Sources (RESs) 

Room: C

Chairs: Abdelfattah Eliwa, Salem El-Khodary, Noha H. El-Amary

Energy Audit Using Solar Tracking System and Without Solar Tracking on Monocrystalline Solar

Yulianta Siregar, Ferry Rahmat Astianta Bukit, Ir., Muhammad Amar Maruf and Fahmi Fahmi

pp. 25-30

Sequential Switching Shunt Regulator S3R and Maximum Power Point Tracking MPPT for a 3U CubeSat

Ibrahim Hosny, Ibrahim Safwat, Ahmed Mokhtar Elrefaie and Abdelfattah Eliwa
pp. 31-35

Optimization of Direct Current Magnitude Against Braking Time in A No Load 3-Phase Induction Motor Using Matrix Laboratory Simulink

Ferry Rahmat Astianta Bukit, Ir. and Person Athanasius Naibaho
pp. 36-41

Three Phase-Single Stack Axial Flux Switching Alternator for Wind Energy Systems A Comparative Study

Hager Saad Awad, Salwa Tahoun, Mohamed El Shanawany and Kotb Bassem
pp. 42-47

Performance Assessment of Artificial Neural Networks-Based MPPT Technique for Photovoltaic Systems

Hadeer Gaber Eleraky, Ahmed Refaat, Ahmed Elsayed Kalas and Ahmed Abouzeid
pp. 48-53


Wednesday, May 22

Wednesday, May 22 8:00 - 8:30

Registration

Room: A*

Wednesday, May 22 8:30 - 10:15

(SS1: CNTRL1) Autonomous Vehicle Control 

Room: A

Chairs: M. Saeed Darweesh, Mohamed Elkhatib, Ahmed M. Kamel

Generalized Dynamic Inversion Control System Design: Theory and Applications to Autonomous Vehicle Control

Abdulrahman Bajodah

Reinforcement Learning for Precision Navigation: DDQN-Based Trajectory Tracking in Unmanned Ground Vehicles

Islam A Hassan, Sr, Hossam Ragheb, Alhossein Mostafa Sharaf and Tamer Attia
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Optimized Area Coverage Path Planning in Complex Environment Using Geometric Q Learning Algorithm

Mahmoud Elfoly, Mohamed Ibrahim, Hossam Hendy and Ahmed Taimour Hafez
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Wednesday, May 22 8:30 - 10:15

(SS2: EO) Laser Applications and Photonics 

Room: B

Chairs: Adel Abdallah, Irene Fahim, Hussein Eissa Abdelsalam Kotb

Smart Windows Challenges and Solutions for Smart Cities

Jala El-Azab

Optimizing High Resolution Wide Field of View Optical Design for Long Wave Infrared Objective

Hossam Aboalia, Sherif Hussein and Alaaeldin Mahmoud
pp. 66-71

Different Approaches to Enhance Raman Spectroscopy With Metasurface Structures

Amr A Elkady, Osama Helal, Mahmoud Abdelrahman Abdalla and Mohamed Hagag
pp. 72-77

Wednesday, May 22 8:30 - 10:15

(TS: SP) Signal Processing and Remote Sensing

Room: C

Chairs: Sherif Elgamel, Mohamed Samir Abdel Latif Soliman, Mohamed E. Hanafy, Dr

Efficient Lossy Satellite Image Compression Using Hybrid Autoencoder Model

Mohamed Ahmed Badr, Mr., Ahmed Elrewainy and Mohamed A. Elshafey
pp. 78-83

Exploring Jamming Resilience: DDMA MIMO Radar Detectors Against Smart Denial Jamming

Ahmed A Abouelfadl
pp. 84-89

Machine Learning-Based Detection of Spoofing Attacks in GNSS: A Study Using TEXBAT Dataset

Asra Mahroof, Imtiaz Nabi, Salma Zainab Farooq and Naqvi Najm
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Evaluation of Code & Carrier Based GNSS Positioning Techniques for Positioning Accuracy Using Low Cost GNSS Receivers

Daniyal Raza Kazmi, Faaiz Ahmed Jeelani, Usama Ahmed and Najam Abbas Naqvi
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Wednesday, May 22 10:30 - 12:15

(PS2): Exploring the Latest Frontiers in Artificial Intelligence

Room: A

Chair: Aly Fahmy

Artificial Intelligence Panel Session: Exploring the Latest Frontiers in Artificial Intelligence

Gouda I. Salama, Aly Fahmy, Mohamed Aborizka, Khaled Badran, Reade Chen, Ghada Soliman and Ahmed N. Tantawy

Wednesday, May 22 10:30 - 12:15

(SS3: RF) Modern RF Applications and Radar Systems

Room: B

Chairs: Tamer Abuelfadl, Mohammad Darwish, Raafat Mansour

Low-Power and High-Resolution Radar Systems for Human Activities and Vital Signs Monitoring

Xiaoguang Liu

A Simple, Load-Independent, All-Solid-State Marx Generator Topology With Minimal Controls

Mahmoud Sabry Helmey, Ibrahim Safwat, Ahmed M. Elelimy Abounemra and Hesham Ahmed
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A Single Diode-Based Reflective Type Variable Analog Attenuator

Mohamed Abd Elmonem Talha, Mohammad Darwish, Fathy Mohamed Kader and Ahmed M. Elelimy Abounemra
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A Low-Power 23.5-To-28.8 GHz CMOS Oscillator With Flicker Noise Up-Conversion Suppression Using Drain Current Shaping Technique

Yahia Ehab, Hesham Ahmed and Ahmed Naguib
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Wednesday, May 22 10:30 - 12:15

(TS: BIO1) Biomedical Engineering 

Room: D

Chairs: Mohamed A. Abbass, Dr., Mohamed Esmail Karar, Ayman Radwan

(TS: BIO1).1 New Prosthetic Socket Designs for Transradial Amputee: Experiment Without Healthy Subjects and Amputee

Menna Allah Bondok, Mogeheb Elrahman Elsheikh and Medhat Elhadek
pp. 114-119

(TS: BIO1).2 Control Prosthetic Fingers Using Electromyography as a Sensing Device for Hand Gestures Recognition

Amir R. Ali, AbdelRahman AboElNasr and Eman A. Abdallah
pp. 120-124

(TS: BIO1).3 The Role of Machine Learning in Enhancing 3D-Printed Prosthetic Ankle

Ramy Alham, Kareem Mostafa Hassan and Yasser Abdelrhman
pp. 125-130

(TS: BIO1).4 BCI Channel Reduction and Optimization for Stroke Rehabilitation

Mohamed Nabil Gaber, Ahmed M. Awadallah, Mohamed A. Eldosoky and Ahmed M. Azab
pp. 131-136

(TS: BIO1).5 Low-Cost Commercial Integrated Spectral Sensor for Revealing Breast Cancer Margins

Mohamed Hisham Fouad Aref, Ibrahim H. Aboughaleb, Mohamed A. Abbass, Abdallah Abdelkader Hussein, Sara Abd El-Ghaffar and Yasser Sabry
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Wednesday, May 22 13:00 - 16:45

(PSTR): Poster Session

Room: A*

Chairs: Mohamed A. Abbass, Dr., M. Saeed Darweesh, Mohamed Mostafa Fouad, Ahmed Taimour Hafez, Ghada Soliman

Advanced Autonomous Rider Assistance for Smart E-Bikes

Rana T Amer, Hassan Soubra and Ahmed Mazhr
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A Low-Cost Lightweight Prosthetic Arm With Soft Gripping Fingers Controlled Using CNN

Anwar Sahbel, Andrew Nasif, Ahmed Magdy, Mohamed Elaydi, Nermeen Sobhy and Ayman Abbas
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Deep Learning-Based Strategies and Optimization Methods for SAR ATR

Abdelrahman Yehia, Ibrahim Sh. Sanad, Ashraf Helmy and Mohamed E. Hanafy, Dr
pp. 148-150

Evaluation of Impedance of Glucose Solutions Using the Analog Discovery Board

Mennatallah Mostafa Zain EL-Deen, Farida Khaled and Sameh Sherif
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Design of Wheelchair Using Body Position Tracking Designed for Paralyzed Patients

Tigor Hamonangan Nasution, Awaluddin Samosir and Fahmi Fahmi
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Detection and Sub-Classification of Acute Lymphoblastic Leukemia Cell Types From the Microscopic Images Based on the Object Detection Model YOLOV5

Donia Mustafa, Perryhan E. Mohamed, Maha E. Saed, Gehad Ahamed mohamed Elsady, Shehab R. Abudaif and Eman Sawires
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Memristor-Based Power Efficient 4T3M SRAM Cell

Nermine M. Edward, Sahar M. Hamed, Nahla Elaraby and Wagdy R. Anis
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Fuzzy Logic-Based AI Model for Accurate Grading of Papilledema Severity

Ahmed M. Salaheldin, Manal Abdel Wahed, Manar Talaat and Neven Saleh
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Information Theoretic Properties of OFDM With Index Modulation

Abdelrahman Marconi, Ahmed Hossni Elghandour, Ashraf Diaa and Amr Abdelaziz
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Two Dimensional Sidelobes Reduction in SAR System

Abdelaziz Ramadan Elshazly, Sr, Ahmed S. Amein, Fathy Mohamed Kader and Mohammed Safy Elwan
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Generic CPA Decryption Attack on Ascon-128 in Nonce-Misuse Setting by Exploiting XOR Patterns

Mohamed Tarek Ali
pp. 172-174

Infrared Multi-Object Detection Using Deep Learning

Hossam Aboalia, Sherif Hussein and Alaaeldin Mahmoud
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Design of Stepped Impedance Resonator BPF With Independently Reconfigurable Filtering Characteristic

Abdalla Aboalwafa, Youssef Khodier and Ahmed M. Elelimy Abounemra
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Physical Rehabilitation Exercises Classification Using Deep Learning Models

Alaa Taie, Abdalla Hamdy, Moamen Zaher, Asmaa M. Al-Emrany, Omnia Saeed and Ayman Atia
pp. 181-183

Enhancing Arabic Alphabet Sign Language Recognition With VGG16 Deep Learning Investigation

A. M. Elshaer, Yousef Ambioh Ali, Ziad Soliman, Omar Ahmed, Miral Elnakib, Mohamed Safwat, Salma M. Elsayed and Mahmoud Khaled
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A Simple MIMO Radar Architecture for Drone Detection

Mohamed Romeh, Khaled Hussein, Fathy Ahmed and Wael Mehany
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Deep Learning Based Grapevine Leaf Classification Using Augmented Images and Multi-Classifer Fusion for Improved Accuracy and Precision

Ahmed Ibrahim Elkassar
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Revolutionizing Vehicle Diagnostics by New SOVD Incorporation and Development in Adaptive AUTOSAR

Mona Helmy, Mazen Hekal and Youssef Emad
pp. 193-195

GNSS Measurements Based Attitude Determination

Samra Kiran, Salma Zainab Farooq, Syed Shakaib Ahmed and Naqvi Najm
pp. 196-198


Federated Deep Deterministic Policy Gradient for Power Control in 6G In-X Subnetworks

Ramoni O Adeogun
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Optical Fiber Refractive Index Sensor

Seif Sabry, Mohamed Taher and Ahmed Hisham Morshed
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Wednesday, May 22 13:00 - 14:45

(SS4: ANT) Modern Antennas for Wireless Communications 

Room: B

Chairs: Mahmoud Abdelrahman Abdalla, Abdelmegid Allam, Ahmed Ibrahim

Flexible, Wearable, and Disposable Antennas for Wireless Communication and Sensing Systems Through Additive Manufacturing

Atif Shamim

MIMO Smartphone Antenna With CPW-Fed Stepped Resonators for Sub 6 GHz Cellular Networks

Haleh Jahanbakhsh Basherlou, Naser Ojaroudi Parchin, Libu Manjakkal, Chan Hwang See, Ahmed Sayed Ismail Amar, Ahmed Gamal Salama and Mohammad Darwish
pp. 205-208

Gain-Enhanced/End-Fire Phased Array Antenna for Future Cellular Networks

Haleh Jahanbakhsh Basherlou, Naser Ojaroudi Parchin, Libu Manjakkal, Chan Hwang See, Ahmed Sayed Ismail Amar and Ahmed Gamal Salama
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Wednesday, May 22 13:00 - 14:45

(TS: COMP1) Image Processing and Pattern Recognition 

Room: C

Chairs: Nancy Abbas Elhefnawy, Sherif Hussein, Gouda Mohamed

Hierarchical Receptive-Field Selection With Attention ResNet for Hyperspectral Image Classification

Ahmed R. El-gabri, Hussein A. Aly, Tarek S. Ghoniemy and Mohamed A. Elshafey
pp. 213-218

CNN-Based Malware Family Classification and Evaluation

Mohamed Wael Hebish and Mohamed Awni
pp. 219-224

Cluster-Based Optimization of Training Data Selection for Image Copy Detection Models

Mohamed A. Fawzy, Noha S. Tawfik and Sherine Nagy Saleh
pp. 225-230

Driver Behavior Tracking: A Hierarchical Classification Approach

Farida Yasser Youssef, Souzan Hatem Ismail, Hatem Waleed El Zomor, Ziad Ahmed Gamal, Basmalla Hossam Ibrahim, Raghda Essam Ali and Ayman Atia
pp. 231-236

Image Processing on a Master of Multi-Quadcopter for Optimizing Area Boundary Monitoring System

Hilda Khoirunnisa, Suharyadi Pancono, Pipit Anggraeni, Mustika Rahmah Handayani and Rafid Ahmad Dwi Arif
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Wednesday, May 22 13:00 - 14:45

(TS: BIO2) Smart IT Solutions for Biomedical Engineering 

Room: D

Chairs: Ramy Elghwas, Carolyn McGregor AM, Ahmed N. Tantawy

(TS: BIO2).1 IoT-Enabled E-Prescription Management and Dispensing Machine Monitoring

A. M. Elshaer, Moamen Mostafa, Mahmoud Elrakaiby, Rania A. Elmanfaloty and Ehab Abo-Bakr Abd Elrahman
pp. 243-247

(TS: BIO2).2 Medi-Watch: An Automated Patient Behavior Detection System

Youssef M Raghed Farag, Eng., Mina Samir Ghobrial Farag, Sr., Pola Emanuel Michael, Sr., Steven H. Saad and Ayman Atia
pp. 248-253

(TS: BIO2).3 Quantum Computing Classification for Amino Acids Based on Photoacoustic Signals Features

Tsang-Chia Chang and Tsu-Wang Shen
pp. 254-259

(TS: BIO2).4 Cataract Detection Using Deep Learning in Teleophthalmology Systems

Fahmi Fahmi and Hizkia Estiko
pp. 260-264

Wednesday, May 22 15:00 - 16:45

(WS3): Navigation and Remote Sensing Workshop 

Room: B

Chairs: Ashraf Abosekeen, Mohamed E. Hanafy, Dr

Using Deep Artificial Neural Networks in Remote Sensing Classification

Ahmed Serwa

Remote Sensing and Spatial Data Science for Geological Applications

Ahmed Ali Accepted

The Role of Remote Sensing in Agricultural Management

Mohamed Elsherbiny

Navigation Technologies From Military to Consumer Applications

Naser El-Sheimy

Wednesday, May 22 15:00 - 16:45

(TS: COMP2) Data Analytics and Machine Learning 

Room: C

Chairs: Mohamed A. Elshafey, Tarek Mahmoud, Aliaa Youssif

A Technological Survey on Citizen Complaint Management Systems and Future Advances

Dimitrios Sarafis and Konstantinos Karamitsios
pp. 265-269

Proof of Reputation Blockchain Protocol for IoT

Nagy Khairat, Ahmed Abouelfarag and Ayman A. Abdel-Hamid
pp. 270-275

Improved IMU/GNSS EKF Fusion Using XGBoost Machine Learning Algorithm

Rohan Kumar Reddy Damagatla and Mohamed Atia
pp. 276-281

Graph-Based Patent Mining for Mechanical Designs

Manal E Helal and Mohamed Ezzat Helal
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Wednesday, May 22 15:00 - 16:45

(TS: COMM1) Modern Wireless Communications 

Room: D

Chairs: Mohamed Aboelazm, Ahmed Hossni Elghandour, Saber H. Zainud-Deen, s. h.

Multi-Armed Bandit Based Sum Rate Maximization for UAV-Assisted NOMA Communication Systems

Abeer Elsayed, Mostafa Youssef Makkey and Osama Elnahas
pp. 288-293

SWIPT MISO Wireless Communication System via Intelligent Reflecting Surface

Enji Mamdouh El kholy, Mehaseb Ahmed, Fawzy Ibrahim and Mahmoud M. Elmesalawy
pp. 294-299

Spatial Index Modulation in Fading Channels: A Fair Comparison Approach

Ahmed M Kabil, Ahmed Bendary, Ahmed Fathy Darwesh and Hisham Dahshan
pp. 300-304

Generalized OFDM Index Modulation Performance Analysis and Error Propagation Mitigation Using LDPC

Khaled A. Ghorib, Amr Abdelaziz, Ahmed Fathy Darwesh and Yahya Mohasseb
pp. 305-310

Thursday, May 23

Thursday, May 23 8:00 - 8:30

Registration

Room: A*

Thursday, May 23 8:30 - 10:15

(YP): IEEE YP Forum 

Room: A

Chairs: Ahmed Bendary, Ashraf Mahran

Charting Your Path to Securing Graduate Scholarships

Khalid Elgazzar and Ayman Radwan

Scientific Writing and Presentation Skills and Tools

Mohamed Ibrahim

IEEE Young Professionals Events and Activities in Egypt

Moataz Alaa and Gehad AlKady

Thursday, May 23 8:30 - 10:15

(TS: COMP3) Computer Networks and Cyber Security 

Room: B

Chairs: Awad Hassaballah Khalil, Mohamed S. Mohamed, Sherin Moussa

A Smart Greenhouse Prototype With an Edge Computing Internet of Things (IoT) Unit

Mohamed Hamdy Naeem and Hesham Aly
pp. 311-316

Survey on SDN-Based Intrusion Detection Systems

Naneese Mostafa Bayoumy, Khaled Metwally, Dr. and Khaled Badran
pp. 317-322

Cross-Selling Artificial Intelligence-Based Approaches in Insurance Industry: A Review

Shaden Mohamed Aref, Mohamed Mostafa Fouad, Hend Attia Sayed and Menna Ibrahim Gaber
pp. 323-328

Thursday, May 23 8:30 - 10:15

(TS: COMM2) Modern Communication Networks 

Room: C

Chairs: Ahmed E. El-Mahdy, Hani Ragai, Tamer Rakia

Security Enhancement of MIL-STD-1553 Based on Lightweight Encryption Algorithms

Ahmed Ali Ibrahim, Ashraf Daa, Mohamed Hussein and Ahmed Hossni Elghandour
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Securing Vehicular Ad-Hoc Networks: Detection and Identification Algorithm of MITM Attacks

Nourhan El. Alashkar, Bassem Mahmoud Mokhtar and Tawfik Ismail
pp. 335-339

Scalable and Secure Cluster Formation in Internet of Drones Using Hyperledger Fabric

Shebl Ahmed Soliman, Ahmed Bendary and Hisham Dahshan
pp. 340-345

Switching-Based HAP Relays With Hybrid SAG-FSO/RF Transmission Over Correlated Turbulence for Satellite Communications

Ramy Samy Zaghloul and Hong-Chuan Yang
pp. 346-351

Thursday, May 23 8:30 - 10:15

(TS: MICROELEC1) Circuits and Systems 

Room: D

Chairs: Ahmed M. Elelimy Abounemra, Ahmad Eldahshan

A 12-Bit 3-GS/s Tri-Segmented Current Steering DAC With A Complementary Switching Technique

Mohamed Taha, Khaled Morsi and Ahmed Naguib
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Thursday, May 23 10:30 - 12:15

(IT3): High-Precision Integrated Wireless Positioning: Research, Innovation, and Future Vision 


Room: A

Chairs: Ashraf Abosekeen, Mohamed Ismail Ahmed

High-Precision Integrated Wireless Positioning: Research, Innovation, and Future Vision

Aboelmagd Nouredin

Thursday, May 23 10:30 - 12:15

(TS: CNTRL2) Control Systems and Applications 

Room: B

Chairs: Mohammed Abozied Hassan Abozied, Abdulrahman Bajodah, Mohamed Ibrahim

Effect of Preview Digital System Controller Design on the Performance of MR Suspension System

Syeda Darakhshan Jabeen Jabeen, Mohamed R. El-Sharkawy, Wael Galal Kotb, Haytham M. El-Zomor, Asmaa R. Saad and Ahmed Shehata Abdelrahman Gad
pp. 356-361

ADRC-Based Trajectory Tracking of Unmanned Tracked Vehicles Under High Slippage Disturbance

Momir Drakulic and Momir Stankovic
pp. 362-366

Streamlined Tuning of H^∞ Control for Electric Vehicle Motors

Marwa Ben Said Romdhane, Sondes Skander Mustapha and Ramzi Belhassen
pp. 367-372

Comparative Analysis for System Modeling Using System Identification Techniques

Mayada Hussein Annan, Sr, Mohamed Abuzaid Hassan and Mahmoud Mohamed El Ashry
pp. 373-378

Optimized UAVs' Collision-Free 2D Path Planning Based on Quintic Pythagorean Hodograph Curves

Aya Abdelhady Deaf, Ahmad H. Eid and Kamel Ahmed Elserafi
pp. 379-384

Thursday, May 23 10:30 - 12:15

(SS5: AERO) Aerospace Engineering and SAR Imaging 

Room: C

Chairs: Mahmoud Abdelaziz, Ahmed S. Amein, Samy Shedied

Radar Remote Sensing and Radar Imaging Application

Ahmed Azouz


Parametric Study for Relay Satellite Constellation Design in MEO

Ahmed Alhashemi, Ahmed Taimour Hafez and Ibrahim Sh. Sanad
pp. 385-390

Bond-Graph Modeling of Electro-Hydrostatic Actuator for Aircraft Aileron Control

Amir R. Ali and Abdelrahman Elkhamry
pp. 391-395

Thursday, May 23 10:30 - 12:15

(TS: MICROELEC2) Microelectronic Circuits and Technology 

Room: D

Chairs: Islam Abougindia, Hesham Ahmed, Dina El-Damak

Preparation and Characterization of Thermally Reduced Graphene Oxide for Electronic Applications

Mohamed Khaled Fathy, Ahmed Hafez and Heba A. Shawkey
pp. 396-401

IoT and Data Management System-Based Smart Incubator to Reduce Neonatal Mortality Rate

Soeharwinto Soeharwinto, Ryandika Afdila, Kurniawan Siddiq, Muhammad Farras Al-Khairi, Ridho Setiawan, Rizky Dwi Fauzan and Lailani Sabrina

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CMOS Compatible Cost-Effective eGaN HEMT Using B-Doped Schottky Barrier Gate on Compliant SOI Substrates

Bassant M Mousa, Sr., Theodora Mamdouh and Hani Ragai

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A Design Aid Tool for Asynchronous SAR ADCs

Ayman Alaa El-Hinnawey and Ayman Hassan Ismail

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Thursday, May 23 13:00 - 14:45

Closing Session and Awards Ceremony

Room: A